

**BY ORDER OF THE COMMANDER
AIR FORCE MATERIEL COMMAND**

**AIR FORCE MATERIEL COMMAND
INSTRUCTION 90-204**



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Special Management

NUCLEAR MATERIEL MANAGEMENT

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This instruction implements guidance from AFPD 13-5, *Air Force Nuclear Enterprise*. This Instruction provides guidance, delineates responsibilities and establishes procedures for managing and overseeing Air Force Materiel Command's (AFMC's) role in the nuclear enterprise. This instruction applies to AFMC owned or gained assets and personnel. This publication does not apply to the Air National Guard (ANG) and the Air Force Reserve Command (AFRC) and their units. Ensure all records created as a result of processes prescribed in this publication are maintained IAW Air Force Manual (AFMAN) 33-363, *Management of Records*, and are disposed of IAW Air Force Records Information Management System (AFRIMS) Records Disposition Schedule (RDS) located at <https://www.my.af.mil/afirms/afirms/afirms/rims.cfm>. The authorities to waive wing/unit level requirements in this publication are identified with a Tier ("T-0, T-1, T-2, T-3") number following the compliance statement. See AFI 33-360, *Publications and Forms Management*, for a description of the authorities associated with the Tier numbers. Submit requests for waivers through the chain of command to the appropriate Tier waiver approval authority, or alternately, to the Publication OPR for non-tiered compliance items. Refer recommended changes and questions about this publication to the Office of Primary Responsibility (OPR) using AF Form 847, *Recommendation for Change of Publication*; route AF Form 847 from the field through the appropriate chain of command to afmc.a10.workflow@us.af.mil or HQ AFMC/A10, 4225 Logistics Avenue, Room N208, Wright-Patterson AFB OH 45433-5759. This publication may not be supplemented.

SUMMARY OF CHANGES

This document includes significant changes that require complete review. This revision updates Major Command (MAJCOM) roles and responsibilities implemented by HQ USAF Program Action Directive (PAD) 14-06, *Realignment of Responsibilities, Authorities and Accountability to Optimize Operations and Life Cycle Management in the Nuclear Enterprise Across Air Force Materiel Command (AFMC), Air Force Global Strike Command (AFGSC), and United States Air Forces in Europe*, and by HQ USAF PAD 16-01, *Centralized Management of the Nuclear Enterprise*. Additionally, this revision accounts for changes within HQ AFMC (HQ Directorate reorganizations and realignments) and the establishment of the Air Force Installation and Mission Support Center (AFIMSC).

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Chapter 1

INTRODUCTION

1.1. Purpose. This instruction establishes the roles and responsibilities to ensure Air Force Materiel Command (AFMC) provides effective Nuclear Materiel Management (NMM) support to the warfighter. This instruction provides a framework for AFMC to properly manage, control and integrate all aspects of NMM for which it is responsible. This instruction also captures AFMC organizational equity in the nuclear enterprise and relationships/processes that exist for meeting the warfighter's NMM requirements.

1.2. Responsibilities. AFMC manages people, organizations, processes, procedures and systems used to conduct, execute and support nuclear deterrence operations. Included are infrastructure and life-cycle activities for nuclear weapons, delivery platforms and supporting systems; intellectual and technical competencies; and the cultural mindset that ensures sustainable, responsive, safe, secure and effective Air Force nuclear systems. In addition, AFMC responsibilities include development and adherence to nuclear policy and guidance, and strengthening relationships with other entities who contribute to the Nation's nuclear deterrence mission.

1.2.1. The command will organize, train and equip to execute NMM functions necessary to acquire, modernize and sustain nuclear systems and associated support equipment. In performing these responsibilities, AFMC is the vital "first link" for ensuring nuclear surety and accountability.

1.2.2. In addition to its organize, train and equip responsibilities, AFMC, through the AFNWC, is responsible for coordinating interagency efforts to sustain and extend the life of nuclear warheads and bombs for the air-delivered and Intercontinental Ballistic Missile (ICBM) legs of the Triad.

1.2.3. AFMC's nuclear responsibilities cut across all centers and headquarters organizations and must be focused on providing agile cradle-to-grave support to the warfighter. To best accomplish this, the AFMC/CC has designated the Air Force Nuclear Weapons Center (AFNWC) as the AFMC organization with the primary responsibility, authority and accountability for synchronizing all NMM activities within the command; AFNWC has the authority to execute its responsibility in "direct support" of Air Force Global Strike Command (AFGSC). This does not relieve other AFMC organizations of their respective responsibilities with NMM.

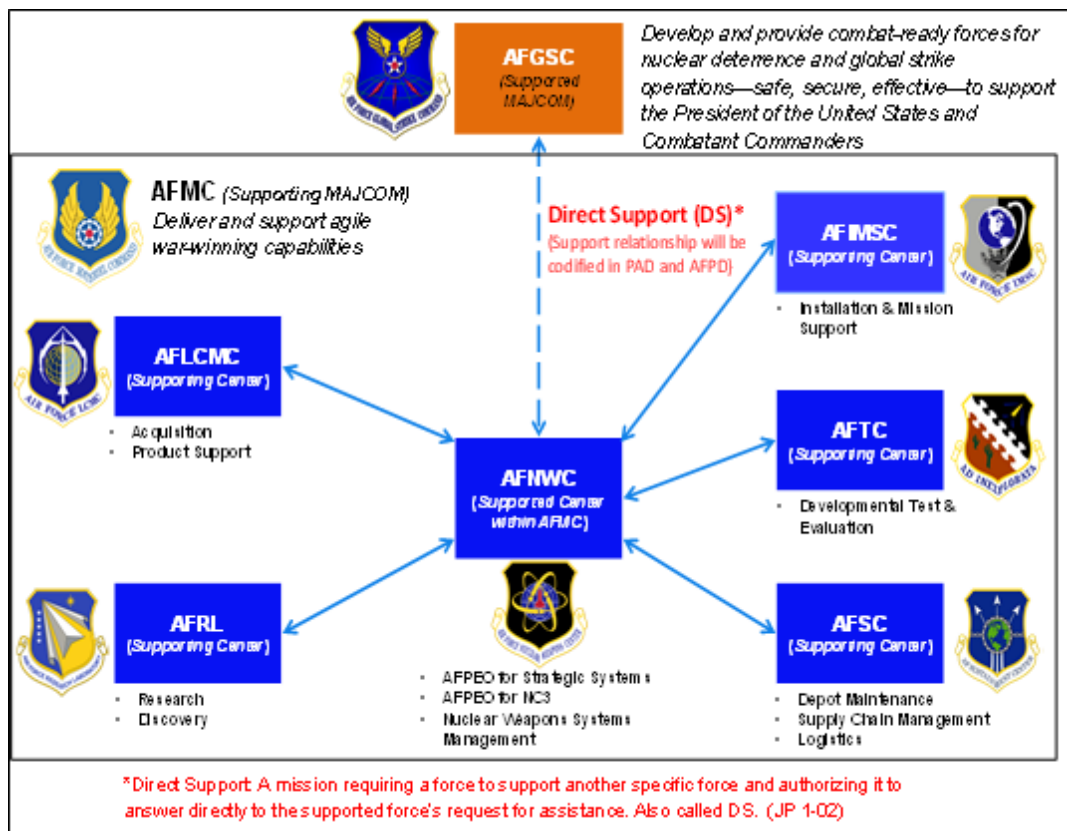
1.2.3.1. NMM includes all activities associated with AFMC responsibilities for acquisition, sustainment, research & development, test & evaluation, and installation mission support that are related to and required to enable the warfighting capabilities of the Air Force nuclear enterprise. This includes all mission areas and activities of the AFNWC but also extends to the AFMC staff and all other AFMC Centers (AFLCMC, AFSC, AFTC, AFRL, and AFIMSC) for responsibilities/activities associated with the nuclear enterprise. AFNWC is responsible for synchronizing all NMM activities across AFMC and is the command's principal representative to AFGSC for all matters related to NMM. This also includes the responsibility for AFNWC to be the command's primary advocate for resource prioritization related to NMM.

1.2.3.2. Direct support is defined as a mission requiring a force to support another specific force and authorizing it to answer directly to the supported force's request for assistance. Specifically, in AFMC, direct support authority designates AFNWC as the principal representative of the command for NMM and authorizes AFNWC to communicate directly with AFGSC at all levels regarding such matters. The purpose of establishing direct support authority between AFNWC and AFGSC is to improve agility, consistency and responsiveness to the customer.

1.2.4. AFNWC is the supported center within AFMC for NMM. All other AFMC centers are supporting centers. The Headquarters (HQ) AFMC staff will also provide support as required for the AFNWC to effectively execute its NMM and direct support responsibilities.

1.2.4.1. Figure 1.1 depicts the supported/supporting relationships within AFMC for effectively implementing NMM across the command. AFMCI 90-204, *Nuclear Materiel Management*, provides the foundational roles/responsibilities/relationships/processes that must exist in order for AFMC to provide agile war-winning support to the nuclear warfighter.

Figure 1.1. AFNWC as AFMC Focal Point for Nuclear Materiel Management.



1.2.4.2. The supported/supporting center relationship is necessary to enable and optimize NMM in AFMC. Specifically, as the supported center, AFNWC will be provided with the necessary information and assistance from other centers regarding all aspects of NMM that are external to or not the direct responsibility of AFNWC. Often this will be related to systems or programs that have both nuclear and conventional missions and are

not assigned to the AFNWC, the Air Force Program Executive Officer for Strategic Systems (AFPEO/SS) or the AFPEO for Nuclear Command, Control and Communications (AFPEO/NC3) directly. The health of this supported/supporting center relationship is essential to AFNWC's ability, on behalf of the AFMC/CC, to synchronize NMM across the command.

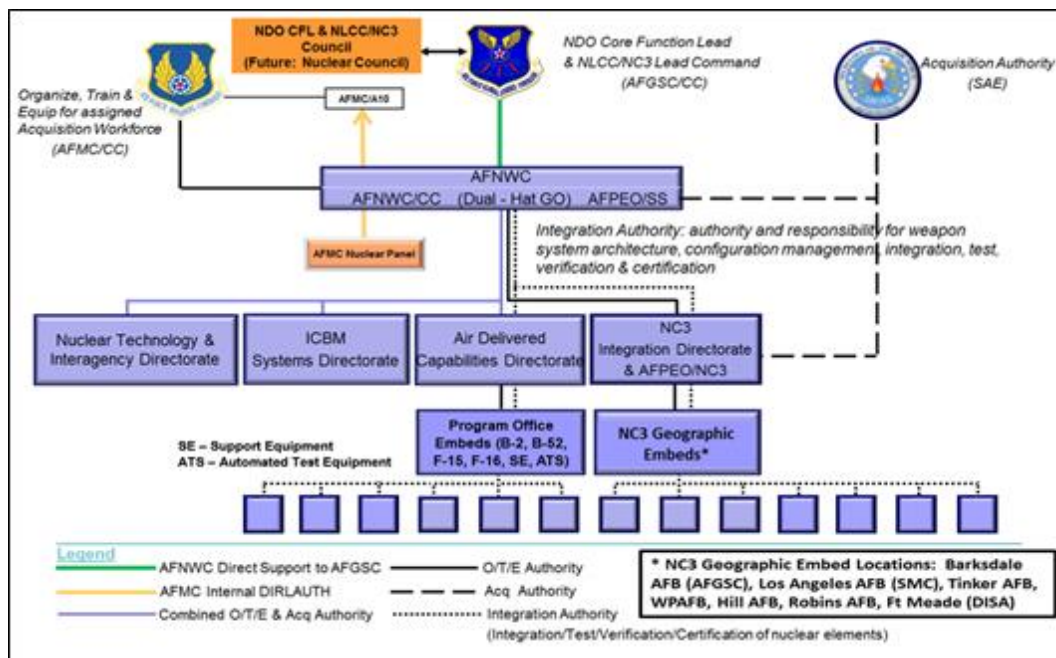
1.2.4.3. As the supporting MAJCOM to AFGSC for NMM, efforts within AFMC must be synchronized and processes must be in place to ensure AFMC and AFNWC meet warfighter expectations. AFMC Directorate for Strategic Deterrence & Nuclear Integration (AFMC/A10) will serve as AFNWC's primary action arm within the headquarters as it fulfills its NMM roles/responsibilities.

Chapter 2

SUPPORTED CENTER ROLES AND RESPONSIBILITIES

2.1. Air Force Nuclear Weapons Center (AFNWC). The AFNWC is the AFMC supported Center responsible for synchronizing NMM across AFMC and the Air Force. The mission of the AFNWC is to deliver nuclear capabilities Warfighters use every day to deter and assure. AFNWC is responsible for delivery of quality solutions to sustain, recapitalize, and modernize Nuclear Warfighting Capabilities and to ensure safe, secure, and effective nuclear weapons and related nuclear certified systems in support of the President, as well as supporting warfighter operational objectives. The AFNWC will collaborate with other AFMC Centers and be informed of all NMM activity in other AFMC centers and the AFMC staff. AFNWC is the primary touch point in AFMC for AFGSC regarding all areas of NMM. The AFNWC is organized into four execution directorates to accomplish its assigned mission. The AFNWC/CC derives organize/train/equip authority from the AFMC/CC. The AFNWC/CC is also dual-hatted as the AFPEO/SS. Acquisition authority for the AFPEO/SS flows from the Air Force Senior Acquisition Executive (SAF/AQ). The staff for AFNWC and AFPEO/SS is one in the same. Organizational construct and authorities are shown in Figure 2.1.

Figure 2.1. Organization and related authorities of AFNWC for NMM.



2.2. AFNWC responsibilities include:

2.2.1. Collaboration with other AFMC Centers, Core Function Leads (CFLs), MAJCOMs and supporting Centers to identify Strategic Planning and Programming Process (SP3) and sustainment requirements relevant to NMM. Supporting centers and the AFMC staff will provide necessary information, to include resource requirements, related to NMM to ensure that AFNWC is able to provide an integrated state of health of NMM in AFMC to both the

AFMC/CC and AFGSC/CC. AFNWC/CC will be the principal advocate for integrated NMM resourcing requirements in AFMC.

2.2.2. Communication and collaboration with AFGSC at all levels to ensure Force Provider materiel requirements are satisfied in a timely manner.

2.2.3. Management of nuclear materiel, including warhead integration, acquisition, sustainment, modernization, and demilitarization and disposition.

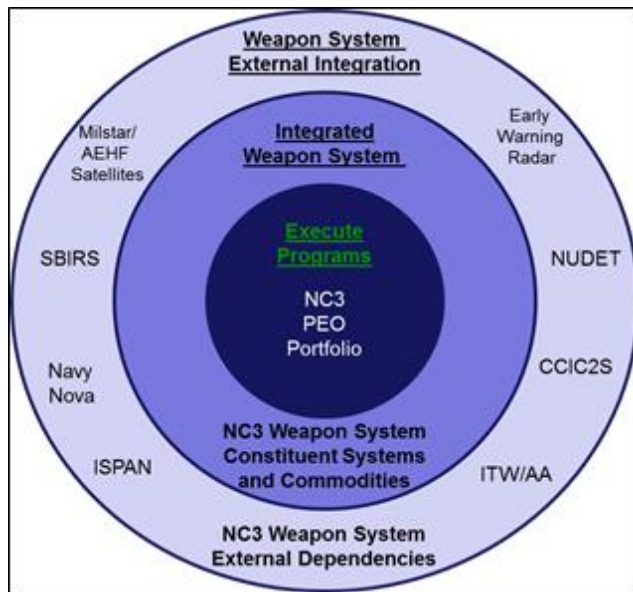
2.2.4. Collaboration with program offices, US Air Forces Europe (USAFE)/North Atlantic Treaty Organization (NATO) allies, and Air Force Safety Center in the oversight and execution of nuclear safety, security and compatibility design guidance for nuclear weapon/weapon systems and engineering consulting to system program offices and product support centers.

2.2.5. Program office (for air-delivered capabilities integration) and NC3 geographic location (for NC3 integration) embeds will serve as nuclear experts for the program office and geographic locations where they are embedded and their duties will be determined case-by-case to meet the needs of the supported and supporting centers.

2.3. AFNWC, NC3 Integration Directorate (AFNWC/NC):

2.3.1. The NC3 Integration Directorate will ensure ongoing NC3 programs, legacy systems and new capabilities are fully integrated as part of the Air Force's overall effort to sustain, modernize, and recapitalize the nuclear enterprise. As both a subordinate execution directorate of the AFNWC and AFPEO/NC3 in direct support of AFGSC, organize/train/equip and integration authority for the directorate will flow from the AFNWC/CC while acquisition authority will flow from the SAF/AQ for assigned AFPEO/NC3 portfolio programs (see Figure 2.1).

2.3.2. Figure 2.2 depicts the relationship between the NC3 weapon system and the areas of responsibilities of the AFPEO/NC3 and AFNWC/NC. The inner circle indicates those systems that are part of the NC3 weapon system that are specifically assigned to the AFPEO/NC3. The AFPEO/NC3 will have acquisition life cycle management authority over NC3 programs assigned by SAF/AQ. The middle circle represents all other systems that make up the NC3 weapon system that are not assigned to the AFPEO/NC3. These will be predominantly dual and multi-use systems that have both NC3 and non-NC3 uses/requirements. The outer circle represents those systems that are outside the NC3 weapon system but constitute external dependencies for the weapon system and will require integration with the NC3 weapon system. AFNWC/NC will be responsible for integrating NC3 materiel management across AFMC to include authority and responsibility for weapon system architecture, weapon system configuration management, overall integration, system test, verification, and certification.

Figure 2.2. NC3 Weapon System and AFPEO/NC3 & AFNWC/NC Responsibilities.

2.3.3. AFNWC/NC is also responsible for defining, building, and sustaining the operational/implementation/target baselines marshalling necessary Supporting Centers in AFMC and other units/agencies in the Air Force and the Department of Defense (DoD) to support and/or accomplish these tasks.

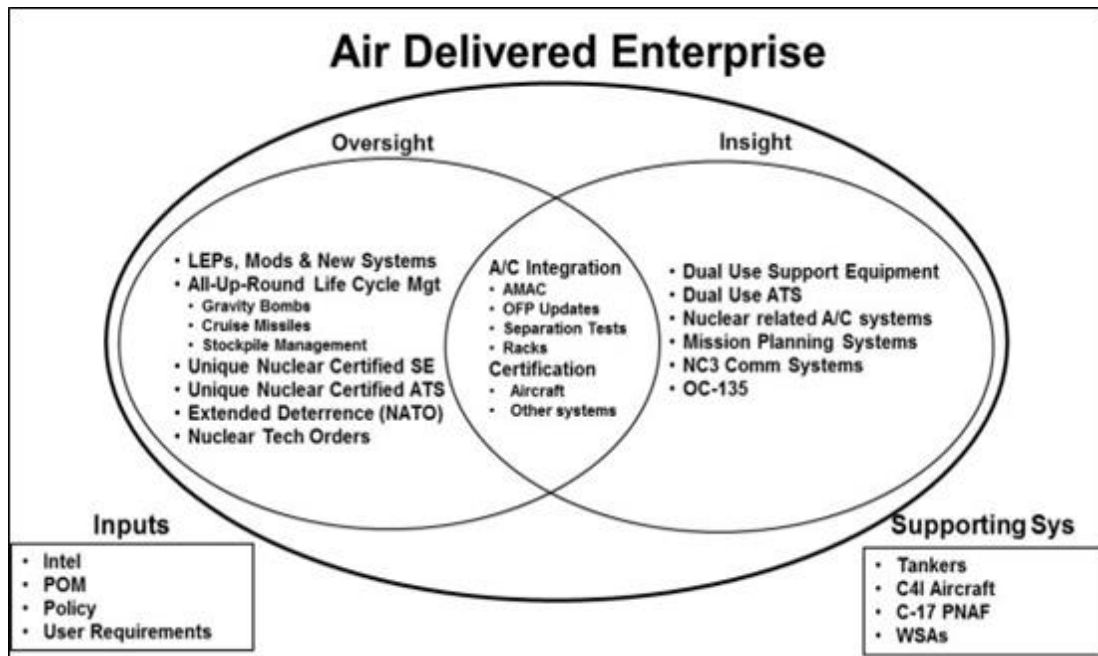
2.3.4. Collaborates with AFMC Supporting Centers to champion the full spectrum of doctrine, organization, training, materiel, leadership and education, personnel, facilities, and policy (DOTMLPF-P) efforts, in support of AFGSC.

2.4. AFNWC, Air Delivered Capabilities Directorate (AFNWC/ND):

2.4.1. AFNWC/ND will ensure all materiel management associated with the air-delivered capabilities of the nuclear deterrent triad is synchronized and responsive to AFGSC and USAFE requirements. As a subordinate execution directorate of the AFNWC, organize/train/equip authority as well as integration authority for the NMM of the air-delivered leg of the nuclear Triad flow from the AFNWC/CC. Acquisition authority for those programs within the Strategic Systems portfolio flows from AFPEO/SS to the program manager (see Figure 2.1).

2.4.2. AFNWC/ND executes oversight for Air Delivered Enterprise Life Extension Programs (LEPs), Modifications, NATO Extended Deterrence, Technical Orders, and Life Cycle Management for the Air Delivered Enterprise. AFNWC/ND is also responsible for integrating those programs and responsibilities for which it provides oversight and requires insight (see Figure 2.3). AFNWC/ND will coordinate and provide an Air Delivered Enterprise perspective for aircraft integration activities for hardware, firmware and software modernization activities.

Figure 2.3. Air-Delivered Enterprise.



2.4.3. Supports AFGSC and USAFE through collaboration with Supporting Centers and other external dependencies to champion full-spectrum of DOTMLPF-P efforts.

2.5. AFNWC, Intercontinental Ballistic Missile (ICBM) Systems Directorate (AFNWC/NI):

2.5.1. Ensures all NMM associated with the ICBM leg of the nuclear deterrent Triad is synchronized and responsive to AFGSC requirements. As a subordinate execution directorate of the AFNWC, organize/train/equip authority flows from the AFNWC/CC. Acquisition authority flows from AFPEO/SS (see Figure 2.1).

2.5.2. AFNWC/NI is responsible for all aspects of lifecycle management of the ICBM weapon system (Minuteman III (MMIII) and the MMIII follow-on, the Ground-Based Strategic Deterrent) to include the flight, Command and Control (C2), and launch subsystems.

2.5.3. AFNWC/NI is also responsible for integrating all NMM, and the necessary engagement and coordination with supporting centers, for any systems for which there are external dependencies for the ICBM weapon system (e.g., above-ground facilities/infrastructure and the UN-1N helicopter).

2.5.4. Collaborates with AFMC Supporting Centers to champion full-spectrum of DOTMLPF-P efforts, in support of AFGSC.

2.6. AFNWC, Nuclear Technology & Interagency Directorate (AFNWC/NT):

2.6.1. Ensures nuclear technology and interagency support is synchronized and responsive to AFGSC requirements.

2.6.2. AFNWC/NT collaborates with the three other AFNWC execution directorates, AFNWC Staff, and AFMC Supporting Centers to support all NMM, in direct support of

AFGSC, with acquisition intelligence; weapon effects modeling & simulation and testing & evaluation; Nuclear Red Team assessments; nuclear system certification; nuclear surety evaluations; warhead integration expertise; and Capability Development (CaDe) planning & execution

2.6.3. Maintains the Master Nuclear Certification List (MNCL).

2.6.4. Oversees electromagnetic pulse (EMP) testing requirements for AFGSC, coordinating as required with AFMC Supporting Centers.

2.6.5. Responsible for leading the necessary engagement and coordination with AFNWC execution directorates and AFMC Supporting Centers, for capability development of NMM including: working with AFGSC to prioritize capability gaps & tech needs; support synchronization of technology solution providers (i.e. AFRL) and AFGSC requirements; assist NDO Core Function Lead in development & maintenance of capability development roadmaps; lead concept development and pre-Milestone A activities for non-Programs of Record (POR) for which the AFNWC is lead Center.

2.6.6. Collaborates with AFMC Supporting Centers to champion the full-spectrum of DOTMLPF-P efforts, in support of AFGSC.

2.7. AFNWC, Staff Organizations:

2.7.1. Logistics (AFNWC/LG) will:

2.7.1.1. Monitor/the logistics health of AFNWC Programs IAW public law, DOD and AF directives. Provide statutory/regulatory compliance oversight for the Center Commander for logistics and product support.

2.7.1.2. Serve as the focal point of contact for all TO issues and coordinates TO sustainment processes across the nuclear enterprise. Chair the AFNWC TO Working Group, resolves key issues, and facilitates to provide user-friendly, technically accurate, and secure TOs.

2.7.1.3. Conduct semi-annual program management reviews on key nuclear support equipment (N-SE).

2.7.1.4. Publish a semi-annual N-SE report based on information collected from the semi-annual program review, product improvement working groups, IPTs, Dull Sword reports, etc.

2.7.1.5. Coordinate with supporting centers on N-SE processes and information requirements.

2.7.1.6. Collaborate with Execution Directorates and AFNWC embeds to collect strategic data and metrics.

2.7.1.7. Integrate Nuclear Enterprise (NE) Maintenance and Logistics Subgroups ensuring visibility into sustainment issues across the Air Force.

2.7.1.8. Provide Nuclear Weapon System Supply Chain Management oversight for all AF Nuclear Weapon Related Material (NWRM)-coded materials, supply items, and equipment. Ensures collaboration and unified position with AFSC.

2.7.1.9. In coordination with SPMs, serve as AFMC POC for nuclear deactivations and demilitarization (DEMIL) planning, processes, actions, and execution tracking. Support the Program Offices and the other Centers in building/executing Nuclear Enterprise DEMIL/Disposition plans.

2.7.1.10. Serve as the NWRM liaison between the Air Force and Department of Energy.

2.7.2. Engineering and Technical Services (AFNWC/EN/EZ) will:

2.7.2.1. Provide general and nuclear weapon engineering and standardization support to the AFPEO/SS and executing Air Force Nuclear Weapons Center programs. Provide acquisition, engineering, scientific and technical policy and guidance throughout the Air Force Nuclear Weapons Center.

2.7.2.1.1. Provide guidance and oversight for Scientific and Technical Information Management (STINFO) program.

2.7.2.1.2. Provide support of requirements, research, Technology Readiness Assessments, development, acquisition (e.g., Concept Characterization Technical Descriptions), integration, production, deployment, Program Support Reviews, sustainment, transportation, security, recapitalization and disposal of AF nuclear weapon systems. Provide support to the Nuclear Technology and Interagency Directorate in the execution of Small Business Innovative Research and other Capabilities Development activities.

2.7.2.2. Organize, train and equip the Air Force Nuclear Weapons Center engineering and technical workforce. Develop functional requirements, policies and processes. Ensure Functional development opportunities. Perform Authorization management. Assign personnel to functionally aligned positions. Manage functional awards.

2.7.2.3. Provide support of requirements, research, Technology Readiness Assessments, development, acquisition (e.g., Concept Characterization Technical Descriptions), integration, production, deployment, Program Support Reviews, sustainment, transportation, security, recapitalization and disposal of AF nuclear weapon systems.

2.7.2.3.1. Advise Center Staff, PEOs, Program Managers (PMs) and MAJCOMs on T&E Policy. Publish and maintain AFNWC 99-101, *Nuclear Enterprise Test and Evaluation Management*. This instruction establishes a consistent T&E management process to be used for acquisition and sustainment of nuclear weapon systems Nuclear Materiel Management by the AFNWC. This includes defining the role of a T&E manager within AFNWC Directorates and the role of the AFNWC CTA in performing functions relative to T&E management. Participate in program decision meetings (e.g. Acquisition Strategy Panels (ASP)), CCBs, product improvement working groups, and test management councils as required. Participate in TRBs, SRBs, and TRRs as required. Provide independent technical and test safety risk assessments, and ensure appropriate participation and level of coordination/approval of TRBs and SRBs for all testing that does not use a designated LDTO. Support operational MAJCOM Force Development Evaluation planning and execution as requested.

2.7.2.3.2. Represent Center T&E issues to HQ AFMC, MAJCOMs and others. Lead Center level review and coordination on higher-headquarters (HHQ) policy and documentation related to T&E. Supports Air Combat Command (ACC), Air Force Global Strike Command, Air Force Materiel Command, Air Force Space Command (AFSPC) and Joint Test Working Group (JTWG) chairs in developing/updating memorandum of agreements, Center Level Agreements, and Joint National Nuclear Security Administration and AF agreements and Nuclear Weapon and Subsystem Test Plans.

2.7.2.3.3. Assist PMs, Integrated Test Teams (ITTs), and JTWGs in development and review of T&E documentation. Support development, review and approval of T&E and related program documentation, to include integrated test strategies, concepts and plans. Maintain insight into all T&E programs being conducted at, on or for the Center by reviewing and approving critical test documents, and participate in ITT oversight of test planning and execution, TRB, SRB, and TRRs.

2.7.2.3.4. Provide LDTO Approval Process and Alternative Gov't Test Sources. Oversee the center's Lead Developmental Test Organization approval process, coordinate on ITT LDTO recommendations to AFMC Directorate for Air, Space & Information Operations (AFMC/A3) and the PEO or designated representative. Establish processes and maintain and manage requisite capabilities to conduct low risk, low cost, short duration developmental T&E (DT&E), qualification T&E (QT&E), and sustainment testing on legacy systems the AFSC supports. These tests should be of the type and scope normally not conducted by AFMC test centers due to their limited cost/risk or accelerated schedule considerations.

2.7.2.3.5. Oversee T&E Resource Management. Provide center-level oversight of the center's T&E resource management procedures (use, re-use, and disposal), test capability development activities, and T&E support agreement establishment. Ensure nuclear weapon system test and evaluation requirements are considered in Air Force Test Investment Planning and Programming, and DoD Major Range Test Facility Base reviews.

2.7.3. Financial Management (AFNWC/FM/FZ) will:

2.7.3.1. Oversee the financial management process, cost estimating and analysis, earned value management, financial tools, audits, and management controls.

2.7.3.2. Conduct execution reviews and recommend funding reallocation as required in order to maintain positive funds control. FM will advocate for NMM unfunded requirements as well as submitting inputs for re-programming or other sources as appropriate. AFNWC/FM will coordinate with AFNWC/XP, Supporting Centers and other key nuclear enterprise stakeholders to ensure that NMM requirements are captured in all Planning, Programming, Budgeting and Execution (PPBE) submissions, to include Program Objective Memorandum (POM), Reprorgrammings, Unfunded Requirement drills, etc.

2.7.3.3. Lead AFNWC Financial Working Groups (FWG) and coordinates and advises the AFNWC Financial Management Board (FMB).

2.7.3.4. Direct the Manager's Internal Control Program (MICP) and acts as the AFNWC lead for audits.

2.7.4. Staff Judge Advocate (AFNWC/JA) will:

2.7.4.1. Provide comprehensive legal advice for the Supported Center CC.

2.7.4.2. Provide comprehensive contract law services and support throughout the acquisition process for AFNWC, the host wing, and tenant organizations located at Kirtland AFB in accordance with tenant to tenant Memorandums of Agreement (MOAs), for all FAR and non-FAR instruments.

2.7.4.3. Continuously evaluate and monitor NMM impact on procurement law workload at installations supporting NMM. Collaborate with AFMC/JA to ensure adequate legal support to NMM at Supporting Centers.

2.7.4.4. Provide direct legal advice to all Supported Center Directors on all matters relating to the administration of military justice and all aspects of adverse military personnel actions (e.g., administrative discharges and separations, demotions, reprimands, referral performance reports, security classification changes, personnel reliability program reclassifications, career field reclassifications, and bars to reenlistment).

2.7.4.5. Coordinate and collaborate with Supporting Centers on Civilian Personnel issues, including advice on disciplinary actions, for civilians assigned to the AFNWC but stationed at other installations supporting NMM.

2.7.5. Contracting (AFNWC/PK/PZ) will:

2.7.5.1. Be the AFPEO/SS and AFPEO/NC3 focal point to address all contracting issues, and be the primary business advisor to AFNWC/CC, AFPEO/SS, AFPEO/NC3, and all subordinate units.

2.7.5.2. Exercise HQ AFMC delegated Head of Contracting Activity and Senior Center Contracting Official authority IAW applicable acquisition laws and regulation, and all other contracting responsibilities IAW the Federal Acquisition Regulation as supplemented. Provide contracting support for AFPEO/SS and AFPEO/NC3 acquisition programs as required.

2.7.5.2.1. Review AFPEO/SS and AFPEO/NC3 "New Start" acquisition programs for required contracting support and will collaborate with Program Offices to verify that contracting support is accounted for in Program Costs. AFNWC did not receive manpower to support "New Starts" and thus these costs will need to be absorbed by the Program Offices in the future.

2.7.5.3. Coordinate and collaborate with Supporting Centers, Higher Headquarters and other external dependencies for the acquisition of services and supplies in support for the Nuclear Material Management mission.

2.7.5.4. Serve as the Competition Advocate.

2.7.6. Safety (AFNWC/SE) will:

2.7.6.1. Collect, provide oversight and coordination on AFNWC nuclear surety-related deviations and remediation plans. Provides insight into all Air Force Nuclear Enterprise Safety- related occurrences.

2.7.7. Plans and Programs (AFNWC/XP) will:

2.7.7.1. Lead the Strategic Planning and Programming Process (SP3) for the Supported Center ensuring Supporting Center Nuclear equities are captured in the AFMC and AFGSC Family of POMs while concurrently providing Core Function Leads visibility into those equities/requirements. Provide NE materiel resource overviews to AFNWC leadership and AFMC staff to ensure a more holistic resource perspective.

2.7.7.2. Analyze and champion NMM resource and SP3 requirements while providing an unbiased prioritization of stakeholder requirements and NE materiel resource overviews (internal and external to AFMC) to AFNWC leadership and AFMC staff to ensure a more holistic resource perspective, enabling leadership stewardship, engagement and advocacy.

2.7.7.3. Provide Resource analysis for Program and Non-Program-transformation to enable consistency and synchronization between SP3 requirements and resource execution in collaboration with AFNWC/FM and Nuclear Enterprise Stakeholders.

2.7.7.4. Provide support to Execution Directorates in the integration of non-AFNWC metrics into Nuclear Weapons Center reporting. This effort enables a more holistic perspective into the health of the nuclear enterprise.

2.7.7.5. Collaborate with Supporting Centers in cultivating NMM-focused Continuous Process Improvement opportunities and to ensure NMM related agreements meet mission requirements of the AFNWC.

2.7.7.6. Lead integration with CFLs for Materiel related issues within the Air Force Nuclear Enterprise (AFNE) planning process.

Chapter 3

SUPPORTING CENTER ROLES AND RESPONSIBILITIES

3.1. Air Force Materiel Command Centers. All AFMC Centers have equity in the nuclear enterprise and perform important functions within NMM. As a supporting center to the AFNWC, center roles and responsibilities are not minimized. The core roles and responsibilities assigned to each center remain unchanged. AFIMSC's expertise in installation and mission support, AFLCMC's expertise in acquisition and product support, AFRL's expertise in research and discovery, AFSC's expertise in depot maintenance, supply chain management and logistics and AFTC's expertise in developmental test and evaluation are critical parts of AFMC's overall responsibility of providing NMM for the warfighter.

3.2. Air Force Installation and Mission Support Center (AFIMSC). The mission of AFIMSC is to deliver globally integrated combat support and shape the foundation of America's Air, Space and Cyberspace power. The AFIMSC serves as the single intermediate-level headquarters staff supporting AF-wide installation and expeditionary support activities. The Center plans, programs and oversees facilities/infrastructure maintenance. **AFIMSC will:**

3.2.1. Coordinate on AFMC supplemental checklists IAW AFI 90-201, *The Air Force Inspection Program*.

3.2.2. Participate in the relevant AF Panel as the Agile Combat Support (ACS) Installation & Mission Support Enterprise Lead for funding requirements pertaining to Installation & Mission Support areas of expertise within the nuclear enterprise.

3.2.3. Be the AFIMSC functional representative for funding issues pertaining to Installation & Mission Support areas of expertise concerning nuclear surety.

3.2.4. Ensure properly identified facilities/infrastructure maintenance, EOD, Emergency Management, and Fire Emergency Services requirements are appropriately stated and included in AFIMSC budget submissions.

3.2.5. Coordinate with appropriate Core Function Leads to include: Nuclear Deterrence Operations and Agile Combat Support. Coordination ensures Service Core Functions (SCF) and Core Function Support Plans (CFSP) are integrated into project programming for AFMC facilities requirements.

3.2.6. Provide Explosive Ordnance Disposal (EOD), Emergency Management and Fire Emergency Services support to AF/A4C, AFMC, AFCEC, AFGSC, and AFNWC.

3.3. Air Force Life Cycle Management Center (AFLCMC). The mission of AFLCMC is to acquire and support war-winning capabilities. AFLCMC was designed to provide a single face and voice to customers, holistic management of weapon systems across their life cycles, and to simplify and consolidate staff functions and processes to curtail redundancy and enhance efficiency. **AFLCMC will:**

3.3.1. Provide acquisition management for design, development, test, fielding, sustainment, and risk management of assigned nuclear communications capabilities.

3.3.2. Develop and maintain a knowledgeable workforce for acquisition management and the specialized requirements for nuclear related systems. Provide necessary Life Cycle Logistics subject matter expertise support for the support of the nuclear mission.

3.3.3. Support AFGSC, AFNWC and AFSC in assessing health of NE systems and identifying mitigating actions for issues as they arise.

3.3.4. Ensure that sustainment activities, including logistics deliverables, spares, technical orders, support equipment/software, and trained personnel supporting Protection Level-1 Nuclear (PL-1N) Integrated Base Defense Security Systems (IBDSS) are planned/provided.

3.3.5. Provide cryptographic support to NE systems as required.

3.3.6. Direct and manage the acquisition planning, technology development, testing and production for nuclear weapon systems integration into AFLCMC platforms.

3.3.7. Develop and maintain Nuclear Support Equipment (N-SE) Life Cycle Sustainment Plans (LCSPs) to define sustainment, modification, replacement and retirement activities for N-SE under its portfolio. If this requirement is already met through inclusion in a major weapons system LCMP or Weapon System Roadmap, a separate N-SE LCSP is not required.

3.3.8. Provide technical order policy management for applicable systems.

3.3.9. Manage aircraft-stores certification process (SEEK EAGLE).

3.3.10. Support joint tests of nuclear weapons.

3.3.11. Nuclear certification activities of integrating nuclear capable assets under AFLCMC control.

3.4. Air Force Research Laboratory (AFRL). The mission of AFRL is to lead the discovery, development and integration of affordable warfighting technologies for our air, space and cyberspace forces. **AFRL will:**

3.4.1. Act as the Air Force S&T honest broker by providing SMEs as needed to assist the nuclear community (i.e., AFMC, AFSC, AFLCMC, etc.) with planning and programming decisions related to current and planned systems/concepts.

3.4.2. As requested, assist AFMC Centers and Headquarters Staff by conducting Integrated Planning to analyze their ability to meet nuclear operational requirements.

3.4.3. Collaborate with the Nuclear Community following delivery of nuclear Capability Gaps and S&T needs to identify potential S&T Solutions/Technology Risk Reduction efforts to provide the nuclear community with increased and better technology options for modernization of the nuclear force structure.

3.4.4. Collaborate with Capability Collaboration Teams (CCTs) of the Nuclear Deterrence Operations (NDO) Service Core Function (SCF) to derive technology needs from documented capability needs and recommended S&T solutions to address those needs.

3.4.5. Provide Strategic Development Planning (DP) insights and analysis to support Center and MAJCOM DP activities.

3.5. Air Force Sustainment Center (AFSC). The mission of AFSC is to provide sustainment and logistics readiness to deliver combat power for America. The center provides war-winning expeditionary capabilities to the warfighter through world-class depot maintenance, supply chain management and installation support. **AFSC will:**

- 3.5.1. Serve as the Supply Chain Center of Excellence and Centralized Management for all supply chain processes and assets.
- 3.5.2. Monitor/track NWRM disposition. Execute NWRM and non-NWRM supply chain processes on behalf of the AFNWC. Provide Supply Chain Management oversight, control, monitoring and tracking for NWRM within the supply chain. Operate and manage NWRM storage facility. Manage NWRM World Wide Inventory (WWI) and report on status.
- 3.5.3. Provide quality assurance and inspections of requirements for management of NWRM and non-NWRM supply change management (SCM) processes.
- 3.5.4. Facilitate identification and coordination of changes required for legacy SCM systems, Positive Inventory Control (PIC) Fusion Tool, and the Air Force Distribution Standard System (AF DSS).
- 3.5.5. Direct changes required within SCM systems due to changes in NWRM list and requirements for PIC Fusion.
- 3.5.6. Perform Unconventional Search, and if required, recovery of NWRM. Search non-DOD/governmental systems/websites to identify AF NWRM in nongovernmental possession. Recover assets if legally possible.
- 3.5.7. Perform all supply chain functions necessary to ensure AFMC capability to meet NMM and hedge requirements outlined in AFMC, Air Force and Combatant Commander guidance and directives.
- 3.5.8. AFSC/LG will establish a Nuclear Integration Team office, with O-6 level leadership to serve as a counterpart to HQ AFMC/A10 as directed by AFSC/CC.
- 3.5.9. Appoint an O-6/Civilian equivalent to serve as member for the Supply Chain Threats and Vulnerabilities Steering Committee (SCTVSC). Provide co-lead for Supply Chain Threats and Vulnerabilities Working Group (SCTVWG).
- 3.5.10. Designate AFSC/LG as co-chair for the Air Force NE Supply Chain Steering Group and as a member of the Nuclear Issues Working Group (NIWG).

3.6. Air Force Test Center (AFTC). The mission of AFTC is to conduct Developmental Test and Evaluation (DT&E) of air, space, and cyber systems to provide timely, objective, and accurate information to decision makers. Plans, directs, and conducts test and evaluation of US and allied air armament and navigation/guidance systems, and Command and Control (C2) systems. Plans, conducts, analyzes and reports on flight, ground and cyber DT&E with uniquely modified aircraft and facilities. **AFTC will:**

- 3.6.1. Conduct DT&E of Air Delivered Nuclear Related Material programs such as bombers, fighters, bombs, cruise missiles, and support equipment.
- 3.6.2. Conduct DT&E of NC3 systems and subsystems.
- 3.6.3. Conduct DT&E of ICBM systems and subsystems.

3.6.4. Collaborate with AFNWC/EN/EZ and the MAJCOM to ensure Test Authority for nuclear developmental and operational test planning and coordination. Be the Lead Development Test Organization for assigned programs. Oversee the Executing Test Organization/Participating Test Organization process within the AFTC.

3.6.5. Provide DT&E expertise as requested by AFNWC.

3.6.6. Support ICBM, Cruise Missile, air delivered nuclear related material programs and NC3 Force Development Exercises (FDE) as required.

3.6.7. Accomplish assessments of ranges to support nuclear requirements (such as Nuclear Effects, as well as range size for Long Range Stand Off (LRSO)) and program improvements to test infrastructure.

3.6.8. Participate in the NIC and the NIWG.

Chapter 4

HQ AFMC ORGANIZATIONAL ROLES AND RESPONSIBILITIES

4.1. Air Force Materiel Command. Most HQ AFMC organizations have equity in the Nuclear Enterprise and provide vital NMM support. This support will require close coordination between and across multiple HQ organizations and centers to properly support the AFNWC as it synchronizes all NMM activities across AFMC. Existing command level processes will be used to facilitate AFNWC's synchronization responsibilities. These processes include, but are not limited to, the AFMC Corporate Structure process, the AFMC Group/Board/Council process and the AFMC Nuclear Governance process consisting of the Nuclear Issues Working Group (NIWG) and the Nuclear Issues Council (NIC).

4.2. Headquarters Air Force Materiel Command, Directorate of Manpower, Personnel and Services (HQ AFMC/A1). HQ AFMC/A1 will:

- 4.2.1. Provide necessary personnel information and products in support of HQ AFMC/A10 management of the Command's Personnel Reliability Program (PRP).
- 4.2.2. Facilitate AFMC's Nuclear-coded billet identification/management to include Key Nuclear Billets (KNBs.)
- 4.2.3. Provide member to participate on the Nuclear Panel.
- 4.2.4. Participate at the NIC and NIWG.

4.3. Headquarters Air Force Materiel Command, Directorate of Intelligence. Surveillance and Reconnaissance (HQ AFMC/A2). HQ AFMC/A2 will:

- 4.3.1. Provide Independent Intelligence Assessment for nuclear weapon systems and platforms across the spectrum of NMM in order to more seamlessly develop and sustain war-fighting systems.
- 4.3.2. Appoint an O-5/Civilian equivalent to serve as member for the SCTVSC.
- 4.3.3. Participate at the NIC and NIWG.

4.4. Headquarters Air Force Materiel Command, Directorate of Air, Space and Information Operations (HQ AFMC/A3). HQ AFMC/A3 will:

- 4.4.1. Be the focal point for the New Strategic Arms Reduction Treaty (START) Treaty (NST) unit compliance inspection protocols. In addition, be the focal point to implement the following treaties with significant AFMC impact: the Chemical Weapons Convention (CWC); the Treaty on Open Skies; and the Additional Protocol to the Comprehensive Safeguards Agreements.
- 4.4.2. Establish and implement procedures within AFMC to ensure compliance by AFMC units of international treaty legal obligations per AFI 16-601, *Implementation of, and Compliance with, International Arms Control and Nonproliferation Agreements*.
- 4.4.3. Establish and implement procedures within AFMC to comply with the following AFIs: AFI 16-604, *Implementation of, and Compliance with, the Treaty on Open Skies*; AFI 16-605, *Implementation of the U.S.-International Atomic Energy Agency Integrated Safeguards Agreements*; AFI 16-608, *Implementation of, and Compliance with, the New*

START Treaty; and AFI 16-609, *USAF Implementation of and Compliance with the Chemical Weapons Convention*.

4.4.4. Support the HQ AFMC NSSAV Team IAW MAJCOM guidance, to include providing SMEs, policy review and root cause analysis (RCA) follow up.

4.4.5. Participate at the NIC and NIWG.

4.5. Headquarters Air Force Materiel Command, Directorate of Logistics, Civil Engineering and Force Protection (HQ AFMC/A4). HQ AFMC/A4 will:

4.5.1. Provide management and policy support for built and natural infrastructures, Product Life Cycle, Supply Chain, Maintenance, Munitions, Transportation and Packaging, Automatic Identification Technology (AIT) solutions, Sustainment and Logistics functions in support of the Nuclear Enterprise mission as directed by DoD, Headquarters Air Force and Command policy.

4.5.2. Support all functional related activities required to effectively manage the Air Force nuclear enterprise (e.g., guidance and leadership, process improvement, policy development, system solutions, subject matter expertise).

4.5.3. Product Support Management Division (HQ AFMC/A4F) will:

4.5.3.1. Provide the standing member to participate on the Nuclear Panel and other HQ AFMC/A4 Divisions will provide members as required IAW AFMCI 90-601, *AFMC Corporate Structure* to address nuclear issues.

4.5.3.2. Provide guidance and support for Integrated Life Cycle Management/Product Support, Sustaining and Product Support Engineering, Technical Order System implementation, Depot Source of Repair (DSOR), Depot Maintenance Interservice and Depot Activation (DA) and will administer the Requirements Review and Depot Determination (R2D2) process.

4.5.3.3. Oversee Centralized Asset Management (CAM) program for the Weapon System Sustainment (WSS) processes supporting the Nuclear Deterrence Operations (NDO) Service Core Function (SCF).

4.5.3.4. Support the nuclear enterprise as directed by Higher Headquarters or AFMC policy, to include, but not limited to the following policies:

4.5.3.4.1. AFI 63-101, *Acquisition and Sustainment Life Cycle Management*

4.5.3.4.2. AFMAN 63-143, *Centralized Asset Management Procedures*

4.5.3.4.3. AFMCI 21-301, *Air Force Materiel Command Technical Order System Implementing Policies*

4.5.3.4.4. TO 00-5-3, *Air Force Technical Order Life Cycle Management*

4.5.4. Logistics Readiness Division (HQ AFMC/A4R) will:

4.5.4.1. Provide the Co-Chair for the O-6/ Civilian equivalent AF Nuclear Enterprise Supply Chain Steering Group (AF NESC SG). Other HQ AFMC/A4 Divisions will support AF NESC SG as required to address nuclear issues.

4.5.4.2. Provide materiel management, logistics, transportation and packaging policy and support to ensure Positive Inventory Control (PIC) is maintained for assets within nuclear enterprise.

4.5.4.3. Develop supplemental guidance as required to ensure all assigned materiel manager functions are properly executed for nuclear enterprise (e.g., demilitarization, disposal, inventory, storage, transportation, packaging and reporting).

4.5.4.4. Be responsible for management oversight of materiel management metrics when requested for Higher Headquarters reporting and prescribes the standardized reporting process for AFMC organizations.

4.5.4.5. Support the nuclear enterprise as directed by Higher Headquarters or AFMC policy, to include, but not limited to the following policies:

4.5.4.5.1. DoDI 4140.01, *DoD Supply Chain Materiel Management*

4.5.4.5.2. AFI 20-110, *Nuclear Weapons-Related Materiel Management*

4.5.4.5.3. AFI 23-101, *Air Force Materiel Management*

4.5.4.5.4. AFMAN 23-122, *Air Force Materiel Management Procedures*

4.5.4.5.5. AFI 24-203, *Preparations and Movement of Air Force Cargo*

4.5.4.5.6. AFMAN 24-204, *Preparing Hazardous Materials for Military Air Shipments*

4.5.4.5.7. AFMC Supplement to AFI 20-110, *Nuclear Weapons-Related Materiel Management*

4.5.5. Maintenance Division (HQ AFMC/A4M) will:

4.5.5.1. Establish policy and provide guidance for logistic support for AFMC aircraft, engines, munitions, armament, support equipment, Test Measurement and Diagnostic Equipment (TMDE) maintenance.

4.5.5.2. Be responsible for AFMC base-level aircraft and munitions maintenance policy, organic and contract depot maintenance policy, and functional responsibility for AFMC depot operations.

4.5.5.3. Support the nuclear enterprise as directed by Higher Headquarters or AFMC policy, to include, but not limited to the following policies:

4.5.5.3.1. AFI 63-125, *Nuclear Certification Program*

4.5.5.3.2. AFI 21-102, *Depot Maintenance Management*

4.5.5.3.3. AFI 21-103, *Equipment Inventory, Status and Utilization Reporting*

4.5.5.3.4. AFI 21-201, *Munitions Management*

4.5.5.3.5. AFI 21-202, V1, *Missile Maintenance Management*

4.5.5.3.6. AFI 21-202, V2, *Cruise Missile Maintenance Management*

4.5.5.3.7. AFMC Supplement to AFI 63-125, *Nuclear Certification Program*

4.5.5.3.8. AFMC Supplement to AFI 21-103, *Equipment Inventory, Status and Utilization Reporting*

4.5.6. Civil Engineering Division (HQ AFMC/A4C) will:

4.5.6.1. Deliver quality Built and Natural Infrastructure, Equipment, and Human Capital assets through effective asset management planning, programming, and execution oversight.

4.5.6.2. Serve as the command facilities SPM and functional representative for funding requirements pertaining facilities/infrastructure within the nuclear enterprise.

4.5.6.3. Be responsible to ensure properly identified facility maintenance, upgrade, and Military Construction requirements are appropriately stated and included in Command budget submissions.

4.5.6.4. Appoint a Nuclear Certification Manager to support facilities SPM efforts to include, but not limited to, NCIS submissions.

4.5.7. Systems Integration Division (HQ AFMC/A4N) will:

4.5.7.1. Provide sub-IT portfolio management for NWRM specific data systems/tools including, but not limited to, the NWRM Positive Inventory Control (PIC) Fusion tool and the Air Force Distribution Standard System (AF DSS).

4.5.7.2. Support the nuclear enterprise as directed by Higher Headquarters or AFMC policy, to include, but not limited to the following policies:

4.5.7.2.1. AFMCI 33-108, *AFMC Life Cycle Information Technology Governance*

4.5.7.2.2. AFMCI 20-104, *Item Unique Identification*

4.5.8. Participate at the NIC and NIWG. HQ AFMC/A4 Divisions will participate at the NIC and NIWG as required to address functional related nuclear issues.

4.6. Headquarters Air Force Materiel Command, Directorate of Strategic Plans, Programs, Requirements and Analysis (HQ AFMC/A5/8/9). HQ AFMC/A5/8/9 will:

4.6.1. Provide guidance/instructions for Program Objective Memorandum (POM), Amended Program Objective Memorandum (APOM) and other programming efforts. Considerations must be made for the AFNWC/CC, as the lead organization within AFMC for synchronizing NMM on behalf of the AFMC/CC, to have situational awareness of all resourcing issues affecting the NE.

4.6.2. Ensure AFMCI 90-601, *AFMC Corporate Structure*, provides provisions for the AFNWC/CC to have the appropriate touchpoints within the process to review all issues dealing with NMM.

4.6.2.1. Provide ACS Representative to AFGSC's Nuclear Deterrence Operations [NDO] writing conference.

4.6.3. Provide member to participate on the Nuclear Panel.

4.6.4. Participate at the NIC and NIWG.

4.7. Headquarters Air Force Materiel Command, Directorate of Communications (HQ AFMC/A6). HQ AFMC/A6 will:

4.7.1. Provide necessary Information Technology (IT) portfolio management and compliance guidance to AFNWC in regards to AFMC nuclear-related IT investments. Coordinate with AFNWC Information Technology Office on AFMC nuclear related IT issues.

4.7.2. Participate at the NIC and NIWG.

4.8. Headquarters Air Force Materiel Command, Directorate of Strategic Deterrence and Nuclear Integration (HQ AFMC/A10). The Directorate of Strategic Deterrence and Nuclear Integration is the principal staff advisor to AFMC/CC and senior staff on nuclear activities with AFMC equity. The Directorate also serves as AFNWC's primary action arm within the headquarters as it fulfills its NMM roles/responsibilities. The Directorate provides program oversight, advocacy and Command policy for nuclear activities. The Directorate is HQ AFMC's Staff focal point for the nuclear enterprise. The Directorate plans and executes NSSAV/SAV support to applicable AFMC units IAW AFIs and applicable guidance. HQ AFMC/A10 collaborates with both units internal and external to AFMC to enhance facilitation of NMM. HQ AFMC/A10 will:

4.8.1. Be responsive to the AFMC/CC, AFMC/CV, AFMC/CA, and AFNWC/CC for issues related to NMM.

4.8.2. Assist the AFNWC to support the warfighter concerning NMM issues.

4.8.3. Review, analyze and shape AFMC Nuclear Weapons policy and force structure. Facilitate/advocate/coordinate nuclear policy development.

4.8.4. Serve as the Office of Primary Responsibility (OPR) for the AFMC NIC and NIWG.

4.8.4.1. Provide secretariat duties for the NIC. Coordinate with the Chair (AFNWC/CC) for agenda approval, preparation material/brief, tracking of action items, logistics of conducting the meeting and completion of meeting minutes.

4.8.4.2. Perform other duties as described in the NIC/NIWG charter.

4.8.4.3. Ensure NIC/NIWG Charter is reviewed annually and maintain list of members.

4.8.5. Represent the Command at the Nuclear Working Group (NWG), serve as the OPR for the Nuclear Issues Resolution and Integration (NIRI) Board and Nuclear Oversight Board (NOB), and attend the NIRI and NOB as directed by AFMC/CC/CV.

4.8.6. Serve as OPR for NE Stakeholder and Nuclear Deterrent Operations (NDO) Acquisition and Sustainment Review (ASR) meetings. Assist AFMC Commander's Action Group with nuclear related issues at other ASRs.

4.8.7. Manage/track AFMC action items assigned by HAF or directed by NE related studies and/or reports.

4.8.8. Be the single point of entry within AFMC for MAJCOM specific nuclear issues requiring AFMC Top 3 coordination.

4.8.9. Advocate AFMC inputs to AF/A10 for the NWG, NIRI and NOB.

- 4.8.10. Be the lead for AFMC nuclear-related communications plans.
- 4.8.11. Be HQ AFMC Staff OPR for NE Program Action Directives (PADs) and Programming Plans (PPLANs). Oversee AFMC efforts to comply with NE PADs and PPLANs.
- 4.8.12. Assist in advocating for AFMC nuclear funding priorities along with the Nuclear Panel Chair and assist the AFNWC/FM as required with funding issues. Assist AFNWC in AFMC Corporate Structure panels as well as the Centralized Asset Management (CAM) office on nuclear related issues.
- 4.8.13. Maintain insight into budget issues affecting NMM.
- 4.8.14. Manage the AFMC Personal Reliability Program (PRP) and act as liaison between AF/A10 and AFMC for PRP related issues.
- 4.8.15. Ensure all HQ AFMC Staff organizations with equity in the NE coordinate as appropriate on all actions regarding AFMC's nuclear mission.
- 4.8.16. Be a Command representative at AFGSC's NDO writing conference.
- 4.8.17. Coordinate with HQ AFMC/A3 to address nuclear related treaty issues.
- 4.8.18. Monitor/coordinate Nuclear Posture Review issues for the command.
- 4.8.19. Retain and provide ICBM, bomber, cruise missile and nuclear stockpile Subject Matter Expertise.
- 4.8.20. Manage AFMC's Key Nuclear Billets in coordination with HQ AFMC/A1 and AFNWC/CC.
- 4.8.21. Accomplish 21M, 13N and 2M0 MAJCOM Functional Manager duties.
- 4.8.22. Be the HQ AFMC OPR to support the AFNWC in performing its Nuclear Weapons Storage Infrastructure Principal Integrator role as directed in AFI 13-505.
- 4.8.23. Be HQ AFMC Staff OPR for assisting AFNWC on all (NC3) issues.
- 4.8.24. Serve as POC and Registrar for Air Education and Training Command (AETC) Nuclear Professional Continuing Education courses (e.g., Nuclear 200 – Nuclear Fundamentals Course; Nuclear 300 -Advanced Nuclear Concepts Course; Nuclear 400 – Senior Leader Management Course). Serve as the HQs POC to schedule/coordinate AF Nuclear Management Executive Seminar presentations at HQ AFMC.
- 4.8.25. Manage HQ AFMC Staff hedge planning efforts to ensure compliance with Air Force and Combatant Commander guidance and directives.
- 4.8.26. Serve as Co-Chair for the SCTVSC. The Chief of the Strategic Implementation Division, HQ AFMC/A10S will serve as the secretariat for the SCTVSC and in that role schedule SCTVSC meetings as required, make all logistical arrangements for meetings and work with OPRs to ensure all required material/briefings are available for the meeting. HQ AFMC/A10S will also serve as secretariat and co-chair the Supply Chain Threats and Vulnerabilities Working Group (SCTVWG) and ensure SCTVWG members are kept abreast/working issues of interest to the SCTVSC.

4.8.27. Provide member to participate on the Air Force Nuclear Enterprise Supply Chain Steering Group.

4.9. Headquarters AF Materiel Command, Directorate of Engineering and Technical Management (HQ AFMC/EN). HQ AFMC/EN will:

4.9.1. Assist the AFNWC in assuring all Scientific and Technical requirements are met by AFNWC personnel for position management.

4.9.2. Support Operational Safety, Suitability and Effectiveness (OSS&E) Deficiency Reporting, and provide appropriate technical assistance for the nuclear mission.

4.9.3. Develop and Implement Systems Engineering and Technical Management Policy.

4.9.4. Participate at the NIC and NIWG.

4.10. Headquarters AF Materiel Command, Directorate of Financial Management (HQ AFMC/FM). HQ AFMC/FM will:

4.10.1. Provide Operations & Maintenance execution and budget year guidance (e.g., FYXX Execution Plan; Mid-Year Review; Initial Distribution; and Year-end Closeout).

4.10.2. Provide member to participate on the Nuclear Panel.

4.10.3. Participate at the NIC and NIWG.

4.11. Headquarters AF Materiel Command, Office of the Inspector General (HQ AFMC/IG). HQ AFMC/IG will:

4.11.1. Conduct applicable nuclear materiel management inspections of AFMC units.

4.11.2. Validate all critical and significant inspection deficiencies with appropriate HQ AFMC Functional Area Manager (FAM)/Subject Matter Experts (SMEs) prior to assigning them to the unit in Inspector General Evaluation Management System (IGEMS). HQ FAM/SMEs will assist HQ AFMC IG to determine if deficiency does/does not comply with policy.

4.11.3. Provide data on significant nuclear-related inspection issues and trend analysis to the NIWG and NIC.

4.11.4. If available, HQ AFMC/IG will provide Nuclear Surety Inspection (NSI) qualified inspectors to support AFGSC's nuclear mission when requested.

4.11.5. Participate at the NIC and NIWG.

4.12. Headquarters AF Materiel Command, Office of the Staff Judge Advocate (HQ AFMC/JA). HQ AFMC/JA will:

4.12.1. Provide comprehensive legal advice to the AFMC/CC and support staff on all nuclear surety related matters.

4.12.2. Participate at the NIC and NIWG.

4.13. Headquarters AF Materiel Command, Directorate of Contracting (HQ AFMC/PK). HQ AFMC/PK will:

4.13.1. Participate at the NIC and NIWG.

4.14. Headquarters AF Materiel Command Directorate of Safety (HQ AFMC/SE). The Directorate of Safety is the MAJCOM OPR and principal staff advisor to AFMC/CC and senior staff on nuclear surety matters. The Directorate provides program oversight, advocacy, and Command policy for nuclear surety and collaborates with Air Staff, Defense Threat Reduction Agency, National Nuclear Security Agency, National Security Agency, COCOMs, MAJCOMs, and Supported/Supporting Centers on nuclear surety matters. **HQ AFMC/SE will:**

4.14.1. Establish, manage, and implement a Command-level nuclear surety program consistent with the Air Force Nuclear Surety Program as directed by overarching Air Force 91-Series instructions.

4.14.2. Develop, coordinate, and publish supplemental Safety policy and self-assessment communicators outlining MAJCOM-unique nuclear surety requirements.

4.14.3. Ensure full-time weapon safety managers assigned to Supported/Supporting Centers and their subordinate organizations are trained on MAJCOM-unique items and nuclear surety program management.

4.14.4. Distribute the Air Force Standardized Nuclear Surety Training lesson plan, training slides, and primary/alternate testing material. Annually review and approve Supported and Supporting Center's unique nuclear surety training topics for inclusion into the standardized lesson plan.

4.14.5. Serve as the AFMC focal point for nuclear mishap reporting; review the adequacy and completeness of nuclear mishap reports, validate results, and track corrective actions to closure.

4.14.6. Provide Supported and Supporting Center safety offices with trending and nuclear surety information to enhance their nuclear surety programs.

4.14.7. Retain and provide operational and technical expertise related to Intercontinental Ballistic Missile, Airborne Launch Control System, Strategic Bomber, Strike Fighter, Prime Nuclear Airlift Force, and Long-Term Storage and Maintenance Operations.

4.14.8. Serve as the MAJCOM OPR for the nuclear deviation reporting program. Review/coordinate deviation requests, obtain AFMC/CC approval, and publish the AFMC Annual Nuclear Surety Deviation Report.

4.14.9. Serve as the Command Nuclear Certification Manager IAW AFI 91-103, *Air Force Nuclear Safety Design Certification Program*, and AFI 63-125, *Nuclear Certification Program*.

4.14.10. Represent the Command and serve as a permanent voting member to the Nuclear Weapon System Surety Group (NWSSG) per AFI 91-102, *Nuclear Weapon System Safety Studies, Operational Safety Reviews, and Safety Rules*. Request technical advisors from Supported/Supporting Centers, as needed, to brief and/or advise NWSSG members. Serve as designated action agency for all NWSSG recommendations assigned to AFMC organizations.

4.14.11. Participate in Unauthorized Launch (UL) studies, attend UL working groups, and provide safety/surety expertise in the development of UL scenarios.

- 4.14.12. Participate in Nuclear Surety Working Group and System Safety Group forums for air and ground launched nuclear weapons systems.
- 4.14.13. Represent the Command at Air Force Nuclear Surety Councils.
- 4.14.14. Utilize the NIC and NIWG as an oversight function and corporate venue for nuclear surety matters within the command.
- 4.14.15. Support HQ AFMC/A10 efforts regarding NSSAVs to Supported and Supporting Centers and their subordinate organizations.
- 4.14.16. Evaluate management, implementation, and effectiveness of Center/Wing-level surety programs by conducting Safety Program Evaluations in conjunction with Unit Effectiveness Inspections.
- 4.14.17. Review the adequacy and completeness of the corrective actions for nuclear surety problems found during higher headquarters inspections or assistance visits.
- 4.14.18. Participate at the NIC and NIWG.

4.15. Headquarters AF Materiel Command, Office of the Command Surgeon (HQ AFMC/SG). HQ AFMC/SG will:

- 4.15.1. Manage the medical aspect of the Command PRP, coordinate with AFMC/A10 on medical issues related to PRP and act as a liaison between AF/A10 and AFMC.
- 4.15.2. Support/augment NSSAV, SAV and IG teams as required to provide functional expertise.
- 4.15.3. Participate at the NIC and NIWG.

ELLEN M. PAWLIKOWSKI, General, USAF
Commander

Attachment 1**GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION*****References***

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Prescribed Forms

There are no prescribed forms for this publication.

Adopted Forms

AF Form 847, *Recommendation for Change of Publication*

Abbreviations and Acronyms

ACAT— Acquisition Category

AFCANS— Air Force Comprehensive Assessment for Nuclear Sustainment

AFCEC— Air Force Civil Engineer Center

AFGSC— Air Force Global Strike Command

AFI— Air Force Instruction

AFIA— Air Force Inspection Agency

AFIMSC— Air Force Installation and Mission Support Center

AFLCMC—Air Force Life Cycle Management Center

AFMAN— Air Force Manual

AFMC— Air Force Materiel Command

AFNGOSG— Air Force Nuclear General Officer Steering Group

AFNWC— Air Force Nuclear Weapons Center

AFRIMS— Air Force Records Information Management System

AFRL— Air Force Research Laboratory

AFSC— Air Force Sustainment Center

AFTC— Air Force Test Center

ALC— Air Logistics Complex

APOM— Amended Program Objective Memorandum

C-CBRN - Counter—Chemical, Biological, Radiological and Nuclear

CAM— Centralized Asset Management

CBT— Computer Based Training

CFLI—Core Function Lead Integrator

CFM— Career Field Manager

CFSP— Core Function Support Plan

CMS— Code Management Systems

COCOM— Combatant Commands

DP— Development Planning

DIAMONDS— Defense Integration and Management of Nuclear Data Services

DoD— Department of Defense

DOTMLPF-P - Doctrine, Organization, Training, Materiel, Leadership and Education, Personnel, Facilities, and Policy

EOD— Explosive Ordnance Disposal

ETAR— Electronic Technical Assistance Request

FPCON— Force Protection Conditions

HAF— Headquarters, Air Force

HQ— Headquarters

IAW— In Accordance With

ICBM— Intercontinental Ballistic Missile

ICBMDS— Intercontinental Ballistic Missile Systems Directorate

IG— Inspector General

INSI— Initial Nuclear Surety Inspections

IPT— Integrated Product Teams

JNWPS— Joint Nuclear Weapons Publication Systems

LCMP— Life Cycle Management Plans

LCSP— Life Cycle Sustainment Plan

MAJCOM— Major Commands

MCL— Maintenance Capability Letters

MILCON— Military Construction

MUNS— Munitions Units

NATO— North Atlantic Treaty Organization

NCE— Nuclear Certified Equipment

NCIS— Nuclear Certification Impact Statement

NCM— Nuclear Certification Manager

NIC— Nuclear Issues Council

NIRI— Nuclear Issues Resolution and Integration

NIWG— Nuclear Issues Working Group

NMM— Nuclear Materiel Management

NMUSAF— National Museum of the United States Air Force
NOB— Nuclear Oversight Board
N—SE - Nuclear Support Equipment
NSI— Nuclear Surety Inspections
NSSAV— Nuclear Surety Staff Assistance Visit
NTCC— NWRM (Nuclear Weapons Related Materiel) Transaction Control Cell
NWG— Nuclear Working Group
NWRM— Nuclear Weapons Related Materiel
NWSI— Nuclear Weapons Storage Infrastructure
NWSSG— Nuclear Weapons System Surety Group
OPR— Office of Primary Responsibility
OSD— Office of the Secretary of Defense
OSI— Office of Special Investigations
OSS&E— Operational Safety, Suitability and Effectiveness
PAD— Program Action Directive
PGM— Product Group Managers
PIC— Positive Inventory Control
PL-1N - Protection Level 1 Nuclear
POC— Point of Contact
POM— Program Objective Memorandum
POR— Programs of Record
PPBE— Planning, Programming, Budgeting and Execution
PPLAN— Programming Plan
PRP— Personnel Reliability Program
RCA— Root Cause Analysis
RDS— Records Disposition Schedule
RDTE— Research, Development, Test and Evaluation
SAV— Staff Assistance Visit
SCF—Service Core Function
SCI— Sensitive Compartmented Information
SCM— Supply Chain Management
SME— Subject Matter Expert

SPM— System Program Manager

S&T— Science and Technology

STIC— Sustainment and Technical Integration Center

SCTVSC— Supply Chain Threats and Vulnerabilities Steering Committee

SCTVWG— Supply Chain Threats and Vulnerabilities Working Group

T.O— Technical Order

TMDE— Test Measurement and Diagnostic Equipment

WS3— Weapon Storage and Security System

Terms

Centralized Asset Management (CAM)— Centralizing all Planning, Programming, Budgeting and Execution (PPBE) functions for Depot-Level Repairable (DLR), Sustainment Engineering, Technical Orders, Contractor Logistics Support, Aviation Petroleum Oil and Lubricants, Flying Hour and Consumables and Support Equipment to AFMC. This will optimize support for steady state and expeditionary operations.

Component— An assembly or any combination of parts, subassemblies, and assemblies mounted together in manufacture, assembly, maintenance or rebuild.

Cradle-to-grave— The full life cycle assessment, from manufacture (cradle) through the use phase and to the disposal (grave).

Direct Support— A mission requiring a force to support another specific force and authorizing it to answer directly to the supported force's request for assistance.

DULL SWORD— A reporting flagword that identifies a nuclear safety deficiency not included in an accident or incident category.

Host-tenant Support Agreement— A contract between the host unit and the tenant, or other military service, that lists areas of support the host will provide to the tenant.

Intercontinental Ballistic Missile— A surface-to-surface missile, with a range in excess of 3,500 miles (or 5,500 kilometers), that carries one or more warheads.

Inventory Control— The implementation of management's inventory policies in a manner that ensures the goals of inventory management are met.

Life Cycle Management— The total phases through which an item passes from the time it is initially developed until the time it is either consumed in use or disposed of as being excess to all known materiel requirements.

Nuclear Enterprise— The people, organizations, processes, procedures and systems that are used to conduct, execute and support nuclear operations and forces. It includes the infrastructure and life-cycle activities for nuclear weapons, delivery platforms and supporting systems; intellectual and technical competencies; and cultural mindset that ensure sustainable, responsive, safe, reliable and secure AF nuclear deterrence capabilities.

Nuclear Materiel Management— Includes all activities associated with AFMC responsibilities for acquisition, sustainment, research & development, test & evaluation, and installation mission

support that are related to and required to enable the warfighting capabilities of the Air Force nuclear enterprise.

Nuclear Surety— Policies, procedures, controls, and actions that encompass safety, security, and control measures, which ensure there will be no nuclear weapons accidents, incidents, unauthorized detonation, or degradation of weapon effectiveness during its Stockpile-to-Target Sequence.

Nuclear Surety Staff Assistance Visit (NSSAV)— An evaluation of a unit's nuclear surety readiness. An observation and evaluation of how the unit conducts day-to-day operations and administers nuclear surety program management.

Nuclear Weapons— A complete assembly (i.e., implosion, gun or thermonuclear), in its intended ultimate configuration which, upon completion of the prescribed arming, fusing, and firing sequence, is capable of producing the intended nuclear reaction and release of energy.

Nuclear Weapons Related Materiel (OSD Definition)— Classified or unclassified assemblies and subassemblies (containing no fissionable or fusionable materiel) identified by the Military Departments that comprise or could comprise a standardized war reserve nuclear weapon (including equivalent training devices) as it would exist once separated/removed from its intended delivery vehicle.

Personnel Reliability Program— Program ensuring the highest standards of individual reliability while performing duties associated with nuclear weapons and components.

Program Objective Memorandum (POM)— A 5-year outlook on budget requirements. It starts with the year following the President's Budget, which is always 1 year ahead of the current year.

Special Compartmented Information— A designed category of intelligence materials, which by virtue of their means of collection or other extraordinary aspect of their nature, required special handling and more than routine protection.

Supply Chain Management— The planning and management of all activities involved in sourcing and procurement, conversion and all logistics management activities. It integrates supply and demand management within and across companies. In addition to logistics activities, it includes such activities as manufacturing operations, marketing, sales, product design, finance and information technology.

Warhead— The part of a missile, projectile, torpedo, rocket or other munitions which contains either the nuclear or thermonuclear system, high explosive system, chemical or biological agents or inert materials intended to inflict damage.

Weapon System— A combination of one or more weapons with all related equipment, materials, services, personnel and means of delivery and deployment (if applicable) required for self-sufficiency.

Working Capital Fund— A revolving fund established to finance inventories of supplies or equipment.

Attachment 2

AIR FORCE MATERIEL COMMAND NUCLEAR ISSUES COUNCIL & NUCLEAR ISSUES WORKING GROUP CHARTER

A2.1. Introduction. This charter defines the purpose, objectives, membership, responsibilities, and administration of the AFMC Nuclear Issues Council (NIC) and Nuclear Issues Working Group (NIWG).

A2.2. Purpose and Objectives. A. **2.2.1** The NIC is an AFMC senior leader decision-oriented forum focused on ensuring AFMC acquires and sustains safe, secure, and effective nuclear weapons. NIC objectives are to:

A2.2.1.1. Address those nuclear materiel management issues most important to the warfighter.

A2.2.1.2. Facilitate the coordination, integration, and resolution of nuclear materiel management issues and requirements within the AFMC Corporate Structure and among AFMC programs supporting AF-level strategies and the warfighter.

A2.2.1.3. Enhance nuclear surety by providing subject matter expert support for AFMC policies and strategies; serves as the AFMC Nuclear Surety Council.

A2.2.1.4. Improve knowledge and information sharing among AFMC nuclear materiel management stakeholders.

A2.2.1.5. Increase visibility of AFMC programs that enhance nuclear weapons safety, security, and effectiveness.

A2.2.1.6. Serve as a decision-making body when decisions are required to assist the AFNWC/CC as he/she synchronizes nuclear materiel management across AFMC; evaluate and advise on current nuclear related topics and events.

A2.2.1.7. Monitor and track status and trends of available nuclear materiel management metrics.

A2.2.1.8. Prepare and recommend issues for action by AFMC/CC, AFMC/CV, AFNWC/CC, and AFMC/A10 at AF-level Nuclear Oversight Board (NOB), Nuclear Issues Resolution & Integration (NIRI) Board, and Nuclear Working Group (NWG).

A2.2.1.9. Prepare and recommend issues for action by AFMC/SE and AFNWC/CC at the Air Force Nuclear Surety Council (AFNSC).

A2.2.1.10. Track nuclear materiel management action items that are generated within the NIC and/or action items brought forward by NIC members and approved by the NIC Chair.

A2.2.2. The NIWG serves as the research and action arm of the NIC. NIWG objectives are to:

A2.2.2.1. Address those nuclear materiel management issues most important to the warfighter.

A2.2.2.2. Resolve nuclear materiel management issues within AFMC that do not warrant NIC attention.

A2.2.2.3. Monitor policy implementation ensuring standardization and compliance with current nuclear surety policies and strategies; monitor status of nuclear surety related issues.

A2.2.2.4. Develop and execute agenda items identified by and in support of the NIC.

A2.2.2.5. Provide focused attention on operational and strategic issues affecting nuclear weapons surety (safety, security, and reliability) and sustainment.

A2.2.2.6. Evaluate nuclear materiel management issues and advise AFMC/CC, AFMC/CV, AFNWC/CC, and AFMC/A10 on issues requiring action at NOB, NIRI, NWG, and NIC.

A2.2.2.7. Evaluate nuclear materiel management issues and advise AFNWC and AFMC/SE NIWG representatives on issues requiring action at the AFNSC.

A2.2.2.8. Assign AFMC OPRs for NOB, NIRI, NWG, NIC, and AFNSC action items, track metrics and measure progress. Monitor, track, and report on nuclear materiel management action items assigned to AFMC.

A2.3. Membership.

A2.3.1. As the Center with the “direct support” role to AFGSC, and the additional responsibility of synchronizing nuclear materiel management elements of the Air Force nuclear enterprise, the AFNWC/CC will chair the NIC. The AFNWC/CC and/or AFMC/A10 will up-channel any NIC issues that need AFMC/CC or AFMC/CV attention. NIC participation cannot be below Center CA/CV/DS or HQ AFMC Deputy Director level without AFNWC/CC approval. NIC members are required to attend the NIC; the Chair will invite other organizations as needed. Standing NIC membership includes:

Table A2.1. Standing NIC Membership.

HQ AFMC/A1	HQ AFMC/A2	HQ AFMC/A3	HQ AFMC/A4	HQ AFMC/A6
HQ AFMC/A5/8/9	HQ AFMC/A10	HQ AFMC/EN	HQ AFMC/FM	HQ AFMC/IG
HQ AFMC/JA	HQ AFMC/PK	HQ AFMC/SE	HQ AFMC/SG	AFIMSC/CC
AFLCMC/CC	AFNWC/CC	AFRL/CC	AFSC/CC	AFTC/CC

A2.3.2. HQ AFMC/A10 and the AFNWC/CV co-chair the NIWG; membership includes O-6 level (or Civilian equivalent) representatives from each organization having NIC membership. Each organization will provide AFMC/A10 with the names of a primary and alternative representative. At least one of the two designated members will attend the NIWG. Standing NIWG membership includes:

Table A2.2. Standing NIWG membership.

HQ AFMC/A1	HQ AFMC/A2	HQ AFMC/A3	HQ AFMC/A4	HQ AFMC/A6
HQ AFMC/A5/8/9	HQ AFMC/A10	HQ AFMC/EN	HQ AFMC/FM	HQ AFMC/IG
HQ AFMC/JA	HQ AFMC/PK	HQ AFMC/SE	HQ AFMC/SG	AFIMSC
AFLCMC	AFNWC	AFRL	AFSC/LG	AFTC

A2.4. Responsibilities. HQ AFMC/A10S is the secretariat for the NIC/NIWG and is responsible for scheduling, distributing background materials, publishing minutes, and tracking action items to closure. Before establishing a final agenda, AFMC/A10S will coordinate with AFMC/A10 and the AFNWC to ensure agenda topics are appropriate. Goal is to conduct a minimum of one NIC and one NIWG every quarter.

A2.5. Administration. AFMC/A10S will ensure NIC/NIWG members review this charter annually. HQ AFMC/A10S will maintain, coordinate, and publish changes to the charter as necessary. Changes and updates will be effective upon final approval of AFMC/CV; distribution will follow to NIC/NIWG membership.

Attachment 3

NUCLEAR PROFESSIONAL CONTINUING EDUCATION

A3.1. Background. It is imperative that AFMC personnel be properly trained to meet AFMC's major responsibilities to develop and sustain our nuclear deterrent capability. To achieve this objective, AFMC in 2004 established the Command's Nuclear College within the AFNWC to educate senior leaders and practitioners in maintenance or mission support activities (e.g., security or protection) involving nuclear surety programs, nuclear certification or related organizational planning, requirements and funding advocacy. In 2013, this responsibility was transferred to AETC's Air University as part of the Air Force's Nuclear Professional Continuing Education Program. The Air Force Nuclear College (AFIT/OL-Kirtland) currently resides within the Air Force Institute of Technology's School of Airpower Professional Development (AFIT/PCE).

A3.2. The Air Force Nuclear Professional Continuing Education (NPCE) Program Curriculum. The NPCE curriculum supports two major areas: nuclear management-related education and AF nuclear certification process related education, both with core and executive courses. The nuclear management-related courses follow: the Air Force Nuclear Fundamentals Course (Nuclear 200), Advanced Nuclear Concepts Course (Nuclear 300) and Senior Leader Nuclear Management Course (Nuclear 400), and the mobile training team (MTT) delivered AF Nuclear Management Executive Course. The AF nuclear certification process-related courses follow: Nuclear Certification Process Executive Course; Nuclear Certification Process Core Course; Nuclear Certification Process Computer Based Training (CBT) Web-based Course; Nuclear Certified Equipment (NCE) Users Course and NCE Users Course CBT. Additional NPCE information and Nuclear College course schedules can be found in the Air Force Nuclear College's SharePoint site at <https://cs3.eis.af.mil/sites/OO-AQ-MC-95/default.aspx>.

A3.2.1. The AF Nuclear Management Executive Course (NMEC) is a mobile training team (MTT) delivered course designed to provide attendees with a broad overview of nuclear weapons issues and create for this vital mission a standard frame of reference across the Air Force. The course agenda includes the following topics: Nuclear Weapons Management; Stockpile Guidance and Life Cycle Planning; Nuclear Surety (PRP, Nuclear Security, Nuclear Weapons Safety, AF Nuclear Weapon System Safety, Mishap Prevention and Reporting); AF Nuclear Operations; Nuclear Community and Nuclear Oversight. Course objectives are met through high-level briefings and discussion of nuclear weapons management issues, the DoD/AF nuclear surety program, AF nuclear operations, nuclear security concepts, and nuclear safety/surety oversight. **Target Audience:** Personnel engaged directly in, or supporting, nuclear weapons and nuclear weapon systems product support, acquisition, sustainment, logistics, maintenance, or operations activities who require an introductory/executive level overview of the Air Force Nuclear Enterprise. All grade levels are welcome, but we recommend that personnel be in grade levels GS-5, E-4, O-1 or higher. For the latest course information, please contact the Air Force Nuclear College Registrar at DSN 246-7784 or visit the Air Force Nuclear College SharePoint site at <https://cs3.eis.af.mil/sites/OO-AQ-MC-95/default.aspx>. Please contact the Air Force Nuclear College Course registrar to arrange a MTT presentation. The NMEC is not intended to replace the Nuclear 200-400 curriculum, but rather serves as a high level review of the nuclear enterprise.

A3.2.2. Nuclear Fundamentals Course (Nuclear 200). This course is aimed at Air Force officers, senior enlisted, and equivalent civilian personnel, at the Air Staff, Joint Staff, MAJCOMs, COCOMs, intermediate headquarters, and field units with nuclear operations, maintenance, logistics, or acquisition responsibilities within the nuclear enterprise. The course is designed to enhance awareness of the Air Force nuclear mission by providing attendees with heightened understanding of nuclear weapon fundamentals, force structure, nuclear stockpile guidance and planning, the DoD nuclear surety program, the nuclear community, and current issues related to the Air Force's nuclear mission. This is multi-day course conducted at Kirtland AFB, NM. **Who Should Attend:** Airman identified as core nuclear E5-E7, O1-O4, civilians in grades 11-13. Airman in support roles/non-core nuclear billets assigned to a nuclear unit/job for the first time in a supervisory or decision making role E7-E9, O3-O6, civilians in grades 11-15. Attendance is controlled by MAJCOM quota allocations. Contact AFMC/A10 for additional information regarding attendance.

A3.2.3. Advanced Nuclear Concepts (Nuclear 300). The focus of this course is for individuals who are at the 9+ year point working in the nuclear enterprise. They are 'core nuclear' and going to or are in positions where they will be setting nuclear policy, procedures, etc. within their functional areas. The purpose of the Nuclear 300 course is to 1) enhance awareness among Airmen of the USAF nuclear mission; 2) facilitate development of critical thinking skills among airmen regarding nuclear deterrence and nuclear assurance; and 3) nurture the reinvigoration of, and appreciation for, USAF's "nuclear culture" by examining the following major topic areas: Nuclear Weapons Design and Safety; Nuclear Policy and Deterrence Concepts; Nuclear Force Landscape; Stockpile Guidance, Planning and Assessment; and Nuclear Operations Doctrine; Use Control; Security Issues. **Who Should Attend:** Airman identified as core nuclear with 9+ years in the enterprise at the NAF, MAJCOM or HAF/Joint Staff; E7-E9, O4-O6 NAF/MAJCOM/HAF Div/Branch Chief and AO's; O4-O5 Squadron Leadership; Civilian equivalent. Attendance is controlled by MAJCOM quota allocations. Contact AFMC/A10 for additional information regarding attendance.

A3.2.4. Senior Leader Nuclear Management (Nuclear 400). The focus of this course is for senior leaders who are either a) working internal to the nuclear enterprise and are in an O6 level HAF/MAJCOM 3 letter or Wing/Group Command billet or E9 in similar functional expert billet; b) Flag Officers and SESs that have nuclear responsibilities anywhere in their portfolio of responsibilities. Objectives will include: Nuclear Policy, Doctrine and Deterrence Strategy; Nuclear Landscape, Arms Control and USAF Nuclear Enterprise and US Nuclear Weapons Stakeholders. This course is conducted three times a year at Kirtland AFB, NM—Once a year for Flag/General Officers and SESs and twice a year for the O6/E9/Civilian equivalent audience. Please see the Air Force Nuclear College Course schedule for dates (available at the Air Force Nuclear College's SharePoint site at <https://cs3.eis.af.mil/sites/OO-AQ-MC-95/default.aspx>). **Who Should Attend:** GOs/SES with nuclear portfolios; NAF/MAJCOM/HAF Directors O-6/E-9/Civilian equivalents. Attendance is controlled by AETC/A10 and is by invitation. Nominations for attendance are processed through AFMC/A10.

A3.2.5. Nuclear Certification Process-related Education. IAW AFI 63-125, *Nuclear Certification Program*, AF personnel who are involved with acquiring, developing, modifying, managing or using nuclear certified equipment or weapon systems are required to

receive training in the nuclear certification process. This AF-directed requirement is managed jointly by AFNWC and the Air Force Nuclear College. The Nuclear College has developed courses that provide AF personnel with essential knowledge of the nuclear certification process and the management of nuclear certified equipment requirements throughout all phases of a nuclear weapon system's life cycle.

A3.2.6. Air Force Nuclear Certification Process Course. This course provides attendees with an understanding of the Air Force Nuclear Certification Process as prescribed by AFI 63-125, *Nuclear Certification Program*. It identifies, defines and explains the four phases of the certification process, the two major elements of Certification (Design Certification and Operational Certification) and their components. The course provides a practical discussion on the development, submittal, and approval process for the Nuclear Certification Impact Statement (NCIS) and the Certification Requirements Plan (CRP). The target audience is persons involved with acquiring, developing or managing nuclear certified equipment or weapon systems that require in-depth understanding of the nuclear certification process. The Nuclear Certification Process Course is offered in residence at the Air Force Nuclear College four times a year (for the schedule of classes please see the Air Force Nuclear College's SharePoint site at <https://cs3.eis.af.mil/sites/OO-AQ-MC-95/default.aspx>), and also via Mobile Training Team (MTT/road show). The Nuclear Certification Process Executive Course is for senior managers and personnel at MAJCOM, Center, Air Logistics Complex (ALC), and Program Office levels involved with acquiring, developing or managing nuclear certified equipment or weapon systems. This is a course conducted on-site. A Nuclear Certification Process Course CBT is also available via the Air Force Nuclear College SharePoint site <https://cs3.eis.af.mil/sites/OO-AQ-MC-95/default.aspx> to meet the recurring annual training requirements identified in AFI 63-125, *Nuclear Certification Program*.

A3.2.7. The Nuclear Certified Equipment Users Course is designed to educate personnel, at both nuclear and non-nuclear bases, on the requirements and responsibilities related to the management and handling of nuclear certified support equipment. The target audience for this class is personnel assigned NCE Manager or NCE Monitor duties and others associated with the handling, use and management of nuclear certified equipment. This course is provided via MTT (by invitation from the host unit) or CBT via the AF Nuclear College SharePoint site <https://cs3.eis.af.mil/sites/OO-AQ-MC-95/default.aspx>.

A3.3. Attendance Policy:

A3.3.1. AF Nuclear Management Executive Course. HQ AFMC directorate and division chiefs and deputies with membership on the Nuclear Issues Council (NIC) and Nuclear Issues Working Group (NIWG) will be scheduled to attend as soon as possible after arrival (this seminar is normally presented two times a year at HQ AFMC). HQ AFMC/A10 will coordinate with Directorates/Centers to identify and schedule staff positions required to attend this seminar. HQ AFMC/A10 will coordinate seminar presentations with. Attending the Air Force Nuclear Fundamentals Course (Nuclear 200) meets the attendance requirement for this seminar.

A3.3.2. Air Force Nuclear Professional Continuing Education Courses (Nuclear 200, 300 and 400). HQ AFMC/A10 coordinates with Directorates/Centers to identify billets/positions within the Command required to attend these courses. This training is

required for personnel in the target population whose duties relate to nuclear weapons, nuclear weapons support systems, nuclear weapons delivery aircraft, or nuclear weapons logistics aircraft.

A3.3.2.1. AFMC/A10 will schedule attendees and coordinate attendance with the Nuclear College Registrar.

A3.3.3. Nuclear Certification Process Executive Course. The following personnel will be scheduled to attend the Nuclear Certification Process Executive Course as soon as practical after assignment (**Note:** This is an MTT delivered course. HQ AFMC/A10 will coordinate with AFSC, AFLCMC and ALCs and provide AU/CPC-OL the AFMC's Nuclear Certification Process Executive Course MTT presentation requirements by 30 June for the following fiscal year). The organization requesting MTT support is responsible for advertising MTT courses to AFMC organizations, coordinating attendance, and arranging facilities for MTT-related courses:

A3.3.3.1. System Program Managers (SPM) assigned to program offices with nuclear certified systems, software or equipment.

A3.3.3.2. Product Group Managers (PGM) developing or modifying systems, equipment or software expected to require nuclear certification.

A3.3.3.3. Senior-level program office personnel identified by the SPM.

A3.3.3.4. Other senior Center personnel, as designated by their respective leadership not identified in the preceding paragraphs, who supervise personnel involved with the acquisition, development, modification, or sustainment of nuclear certified weapon systems, support equipment or software or who support the certification of nuclear weapons, weapons systems, support equipment or software.

A3.3.3.5. AFNWC Directors, Division Chiefs, Branch Chiefs, Section Chiefs and Center Staff Directors who supervise personnel involved with the acquisition, development, modification, or sustainment of nuclear certified weapon systems, support equipment or software or who support the certification of nuclear weapons, weapons systems, support equipment or software.

A3.3.4. Nuclear Certification Process Core Course. The following AFMC personnel will complete the Nuclear Certification Process Core Course as soon as practical following assignment:

A3.3.4.1. Personnel assigned Nuclear Certification Manager (NCM) duties within AFSC, AFLCMC, and HQ AFMC. Initial training for NCMs must be accomplished as soon as practical by attending the In-resident Nuclear Certification Process Core Course taught at Kirtland AFB. Additionally, these positions require annual recurring training which will be accomplished by attending either the in-resident course taught by the Air Force Nuclear College at Kirtland AFB, the non-resident MTT core course, or by accomplishing the Nuclear Certification Process Full Course CBT module (available at the Air Force Nuclear College SharePoint site <https://cs3.eis.af.mil/sites/OO-AQ-MC-95/default.aspx>), IAW AFI 63-125, *Nuclear Certification Program*, guidance. If using the CBT to meet this recurring training requirement, individuals will provide their supervisors with a copy of the course completion certificate.

A3.3.4.2. Program Office personnel designated by the SPM (e.g., program managers, engineers, equipment specialists, safety officers, etc.) who support the acquisition, development, testing or modification of nuclear certified systems, software or equipment will receive, at minimum, initial nuclear certification process core course training. This can be accomplished by attending either the in-resident course taught at Kirtland AFB or by attending the non-resident course mobile road show course.

A3.3.4.3. Other Center designated personnel, as designated by center leadership, but not identified in the preceding paragraphs, involved with the acquisition, development, modification, or sustainment of nuclear certified weapon systems, support equipment or software or who support the certification of nuclear weapons, weapons systems, support equipment or software (i.e., support the Program Office NCIS development process).

A3.3.4.4. Personnel assigned to AFNWC directorates, divisions, and branches who support the certification of nuclear certified weapon systems, support equipment or software. This training requirement will only be accomplished by attending the in-resident core course conducted at Kirtland AFB. Refresher training shall be accomplished annually by attending the core course or completing the Nuclear Certification Process CBT (available at the Air Force Nuclear College SharePoint site <https://cs3.eis.af.mil/sites/OO-AQ-MC-95/default.aspx>). If using the CBT to meet this requirement, individuals will provide their supervisors with a copy of the course completion certificate.

A3.3.5. Nuclear Certified Equipment Users Course. Personnel assigned Nuclear Certified Equipment (NCE) program manager or monitor duties at HQs AFMC, Center, Program Office or unit levels will complete the Nuclear Certified Equipment Users Course as soon as possible after assignment and annual recurring training. The initial training will be accomplished by attending the MTT-delivered course at their unit of assignment. IAW AFI 63-125, *Nuclear Certification Program*, recurring training requirements can be met by attending the MTT course or by accomplishing the NCE Users Course CBT (available at the Air Force Nuclear College SharePoint site <https://cs3.eis.af.mil/sites/OO-AQ-MC-95/default.aspx>). If using the CBT to meet this requirement, individuals will provide their supervisors with a copy of the course completion certificate.